

INFORMATION SHEET

ON-SITE FIRELINES

A permit is required to install private fire service mains. Plans for water mains/hydrants shall be submitted to La Vegas Fire & Rescue, Fire Protection Engineering office for approval prior to installation.

CLV Ordinance #5667, Annex I, I.2

- Fire lines shall have at least 2½ feet of cover from the top of the pipe. *NFPA 24: 10.4.3 (2002 Edition)*
- All tees, plugs, caps, bends and hydrant branches shall be restrained against movement by installing thrust blocks. *NFPA 24: 10.8.1.1 (2002 Edition)*
- All rods, nuts, bolts, washers, clamps and other restraining devices, except thrust blocks, shall be coated with a bituminous or other acceptable corrosion-retarding material. *NFPA 24: 10.8.3.5 (2002 Edition)*
- When using clamps, rods shall be used in pairs, 2 to a clamp. *NFPA 24: 10.8.3.1.2.5 (2002 Edition)*
- Fire lines shall not run under buildings. *NFPA 24: 10.6.1 (2002 Edition)*
- All pipe, tees, plugs, caps, bends and thrust blocks shall be inspected before pipe is covered. *NFPA 1: 1.7.11*
- A hydrostatic test of 200 psi or 50 psi over static pressure, whichever is greater shall be conducted for 2 hours. *NFPA 24: 10.10.2.2 (2002 Edition)*
- All fire lines shall be flushed with not less than a 4-inch opening. *NFPA 24: 10.10.2.3.1 (2002 Edition)*
- Electrical ground wires shall not be connected to underground fire line. *NFPA 24: 10.6.8 (2002 Edition)*
- Backfill shall be well tamped, free of rocks, and free of corrosives. *NFPA 24: 10.9 (2002 Edition)*
- The maximum distance from a fire hydrant to a fire department sprinkler connection is 100 feet. *CLV Ordinance #5667, Annex I, I.3(5)*
- For looped water mains, sectional control valves shall be installed so that no more than 2 hydrants are out of service due to a main break. *CLV Ordinance #5667, Annex I, I.3(10)*
- 2 sources of water supply are required when there are 4 or more fire hydrants/sprinkler lead-ins. *CLV Ordinance #5667, Annex I, I.3(11)*
- Private fire hydrants shall be painted red and a blue reflective marker shall be placed in the center of the street at each hydrant location. *CLV Ordinance #5667, Annex I, I.5*

The items listed are basic information only. Codes are subject to change. Additional requirements may apply.

LAS VEGAS FIRE & RESCUE

Fire Prevention Division

229-0366

www.lasvegasfire.org